



Toxic Reduction

2015 Plan Summary

Zinc

Date Amended: August 17, 2016

388 Goodyear Rd.

Napanee, Ontario



SUBSTANCE AND FACILITY INFORMATION

Toxic Substances	
Substance Name	Zinc
CAS #	CAS 7440-66-6
Other toxic substance plans	Methyl Iso-Butyl Ketone (108-10-1), Xylene (1330-20-7), PM10, PM 2.5, Ethanol (64-17-5), Toluene (108-88-3), Hexane (110-54-3)
Facility Information	
Legal Company Name	Goodyear Canada Inc.
Facility Name	Napanee
Facility / Mailing Address	388 Goodyear Road, R.R. 7, Napanee, ON, K7R 3L2
Web Site Address	https://corporate.goodyear.com/en-US/about/mission.html
Spatial Coordinates of Facility	UTM Easting: 344558.90; UTM Northing: 4905595.73; UTM Zone 18T
Number of Full Time Employees (or equivalents)	764
NPRI ID#	1322
O.Reg 127/01 ID	NA
Primary North American Industrial Classification system Code (NAICS)	
2 Digit NAICS Code	31-33 - Manufacturing
4 Digit NAICS Code	3262 (Rubber Product Mfg.)
6 Digit NAICS Canada Code	326210 (Tire Manufacturing)
Facility Public Contact Information	
Name & Title	Julie McLachlan (Mixing Compounder & Environmental Coordinator), 613-354-7835
Certified Planner Contact	
Name	Ted Bailey (ted@auris.ca , 613-893-3680, TSRP0031)
Corporate Headquarter Contact Information	
Address	The Goodyear Tire and Rubber Company 200 Innovation Way Akron, OH 44316, USA
Phone	330-796-6862
Percentage Ownership	100%



INTRODUCTION

Ontario's *Toxics Reduction Act* and Regulation (O.Reg 455/09) aims to protect the health of people and the environment by reducing the use and emission of toxic substances. The Act is the cornerstone of Ontario's Toxics Reduction Strategy, which is focused on:

- Managing and reducing the use and creation of toxic substances in order to protect the environment and human health
- Informing the public about toxics in their communities; and
- Helping ensure that Ontario is well-positioned to compete in an emerging green global economy.

This strategy supplements the traditional 'end of pipe' approach to managing toxic substances released into the environment by focusing on reducing the creation and use of these substances at the 'front end' of manufacturing processes.

The act requires regulated facilities to:

- Track and quantify the toxic substances that they use and create
- Develop plans to reduce the use and creation of these substances; and
- Make summaries of their plans available to the public.

Goodyear Napanee manufactures high quality tires for the North American Tire (NAT) market and is a certified ISO14001:2004 facility. One of the ingredients Goodyear uses in the tire making process is zinc oxide, which is used to activate the Sulphur vulcanization process. It is a critical component of the chemistry and without Zinc Oxide the tires would not cure.

Goodyear Canada Inc.'s (Goodyear's) facility located in Napanee, Ontario, Canada (Goodyear Napanee) has developed a Toxic Reduction Plan for zinc pursuant to the Act.

This Plan Summary summarizes the Zinc Toxic Reduction Plan for the Napanee facility. It has been prepared to meet the regulatory obligations specified in Section 10 of the Act and Section 27(1) of Ontario Regulation 455/09, as amended from time to time.

Note: this plan was originally prepared on Dec 7th, 2012. It was amended in Aug 2016 (using 2015 data) to address minor issues noted in the 2015 Environmental Compliance Audit and to apply improvements in accounting methods in order to comply with NPRI reporting requirements (as permitted under Section 7(b) of O.Reg 455/09).



PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the updated toxic substance reduction plan for Zinc, prepared by Goodyear (Napanee) dated August 17, 2016.

FACILITY DESCRIPTION

Goodyear Napanee manufactures high quality tires for the North American Tire (NAT) market and is a certified ISO14001:2004 facility. The Napanee facility operates 24 hours per day, 7 days a week and ~360 days a year.

EXPLANATION FOR SUBSTANCE USE OR CREATION

Goodyear Napanee manufactures high quality tires for the North American Tire (NAT) market and is a certified ISO14001:2004 facility. One of the ingredients Goodyear uses in the tire making process is zinc oxide, which is used to activate the Sulphur vulcanization process. It is a critical component of the chemistry and without Zinc Oxide the tires would not cure.

STATEMENT OF INTENT

Goodyear Napanee intends to reduce the zinc waste streams through a varied number of waste reduction efforts. Goodyear does not intend to reduce the amount of zinc used (no zinc is created) due to a lack of technically feasible options.

OPTIONS FOR IMPLEMENTATION

Based on a review of the options and a discussion with key Goodyear staff, no options were identified at this time.

TOXIC REDUCTION OBJECTIVES & TARGETS

Goodyear Napanee is committed to playing a leadership role in protecting the environment. We will continue to monitor advancements in rubber production to ensure that options to reduce zinc usage that are both technologically and financially viable are implemented at our facility.



CERTIFICATION

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of August 17th, 2016, I, Lester Brooks, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Zinc

Lester Brooks, Plant Manager
The Goodyear Tire and Rubber Company (Napanee)

CERTIFICATION BY LICENSED PLANNER

As of August 17th, 2016, I, Ted Bailey, certify that I am familiar with the processes at Goodyear (Napanee) that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated August 17th, 2016 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Zinc

Ted Bailey [Planner License # TSRP0031]
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